

AFI 1765\$

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

In re application of:

Janis Virbulis et al.

Group Art Unit: 1765

Examiner: Matthew J. Song

Serial No.: 10/053,446

Filed: January 17, 2002

For: PROCESS AND APPARATUS FOR PRODUCING A SILICON SINGLE CRYSTAL

Attorney Docket No.: WSAG 0128 PUS

TRANSMITTAL LETTER

Mail Stop Amendment  
Commissioner for Patents  
U.S. Patent & Trademark Office  
P.O. Box 1450  
Alexandria, VA 22313-1450

Sir:

Enclosed with reference to the above matter are the following documents:

1. Information Disclosure Statement;
2. PTO/SB/08A; and
3. Check for \$180.00.

The Commissioner is hereby authorized to charge any additional fees to our  
Deposit Account No. 02-3978.

Respectfully submitted,

Janis Virbulis et al.

By: James Proscia  
James W. Proscia  
Reg. No. 47,010  
Attorney/Agent for Applicant

Date: 6-27-05

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Phone: 248-358-4400; Fax: 248-358-3351

CERTIFICATE OF MAILING UNDER 37 C.F.R. § 1.8

I hereby certify that this paper, including all enclosures referred to herein, is being deposited with the United States Postal Service as first-class mail, postage pre-paid, in an envelope addressed to: Mail Stop Amendment, Commissioner for Patents, U.S. Patent & Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450 on:

6-27-05  
Date of Deposit

James W. Proscia  
Name of Person Signing

James Proscia  
Signature



**IN THE UNITED STATES PATENT AND TRADEMARK OFFICE**

In re application of:

TOMZIG ET AL

Serial Number: 10/053,446

Group Art Unit: 1722

Filed: Jan 17, 2002

For: VERFAHREN UND VORRICHTUNG ZUM HERSTELLEN EINES  
EINKRISTALLS AUS SILICIUM

**Information Disclosure Statement**

Honorable Commissioner of Patents and Trademarks  
Washington, D.C. 20231

Sir or Madam:

I, Wolfgang Staudacher, associated with the preparation and prosecution of the above-identified application, residing at Seebauerstraße 4, 81735 München, Germany, wish to call the attention of the Patent Examiner to the references enumerated on the enclosed PTO Form-1449.

I believe the documents enumerated on the enclosed Form PTO-1449 and attached thereto, are cited in the Japanese Office Action and may be material to the examination of the application.

Therefore, it is respectfully requested that the foregoing Information Disclosure Statement be considered by the Examiner and incorporated into the file of this application.

I wish to comment as follows concerning the prior art references enumerated on PTO Form-1449:

For JP03-051673, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

JP63-210092, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

JP63-060189, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

JP10-167891, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

JP2000-272992, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

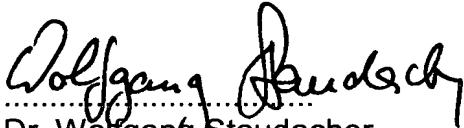
JP2000-109395, cited in the Japanese Office Action, the English Derwent Abstract is enclosed.

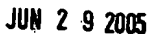
JP05-194077, cited in the Japanese Office Action, the equivalent US 5,178,720 A is cited.

JP10-095698, cited in the Office Action, the equivalent US 5,779,791 is cited.

JP2001-106594, cited in the Japanese Office Action, the equivalent US 6,365,461 B1 is cited.

Signed this 6<sup>th</sup> day of June, 2005.

  
.....  
Dr. Wolfgang Staudacher



Approved for use through 07/31/2006. OMB 0651-0031

U.S. Patent and Trademark Office; U.S. DEPARTMENT OF COMMERCE

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Substitute for form 1449/PTO

(Use as many sheets as necessary)

**Complete if Known**

Application Number	10/053,446
Filing Date	Jan 17, 2002
First Named Inventor	Erich Tomzig et al
Art Unit	1722
Examiner Name	
Attorney Docket Number	

Sheet	1	of	2
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## U. S. PATENT DOCUMENTS

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		JP03-051673	08/07/1985	Kawasaki		
		JP63-210092	08/31/1988	Toshiba, Kawasaki		
		JP63-060189	03/16/1988	Toshiba, Kawasaki		
		JP10-167891	06/23/1998	Komatsu Electronic		
		JP2000-272992	10/03/2000	Nippon, Nittetsu		
		JP2000-109395	04/18/2000	Toshiba Ceramics		

Examiner Signature	Date Considered
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant. <sup>1</sup>Applicant's unique citation designation number (optional). <sup>2</sup>See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup>Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup>For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup>Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup>Applicant is to place a check mark here if English language Translation is attached.

This collection of information is required by 37 CFR 1.97 and 1.98. The information is required to obtain or retain a benefit by the public which is to file (and by the USPTO to process) an application. Confidentiality is governed by 35 U.S.C. 122 and 37 CFR 1.14. This collection is estimated to take 2 hours to complete, including gathering, preparing, and submitting the completed application form to the USPTO. Time will vary depending upon the individual case. Any comments on the amount of time you require to complete this form and/or suggestions for reducing this burden, should be sent to the Chief Information Officer, U.S. Patent and Trademark Office, P.O. Box 1450, Alexandria, VA 22313-1450. DO NOT SEND FEES OR COMPLETED FORMS TO THIS ADDRESS. **SEND TO: Commissioner for Patents, P.O. Box 1450, Alexandria, VA 22313-1450.**

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## INFORMATION DISCLOSURE STATEMENT BY APPLICANT

*(Use as many sheets as necessary)*

**Complete if Known**

Application Number	10/053,446
Filing Date	Jan 17, 2002
First Named Inventor	Erich Tomzig et al
Art Unit	1722
Examiner Name	
Attorney Docket Number	

Sheet	2	of	2
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## U. S. PATENT DOCUMENTS

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## FOREIGN PATENT DOCUMENTS

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Examiner Initials*	Cite No. <sup>1</sup>	Foreign Patent Document	Publication Date MM-DD-YYYY	Name of Patentee or Applicant of Cited Document	Pages, Columns, Lines, Where Relevant Passages Or Relevant Figures Appear	T <sup>6</sup>
		Country Code <sup>3</sup> *Number <sup>4</sup> *Kind Code <sup>5</sup> (if known)				
		JP05-194077	08/03/1993	MEMC Electric		
		JP10-095698	04/14/1998	MEMC Electric		
		JP2001-106594	04/17/2001	Sumitomo Kinzoku		

Examiner Signature		Date Considered	
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\*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.<sup>1</sup> Applicant's unique citation designation number (optional).<sup>2</sup> See Kinds Codes of USPTO Patent Documents at [www.uspto.gov](http://www.uspto.gov) or MPEP 901.04. <sup>3</sup> Enter Office that issued the document, by the two-letter code (WIPO Standard ST.3). <sup>4</sup> For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. <sup>5</sup> Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST.16 if possible. <sup>6</sup> Applicant is to place a check mark here if English language Translation is attached.

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